

19980411.qrp v01_n057.qrs.980411

Date: Sat, 11 Apr 1998 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1057

QRP-L Digest 1057

Topics covered in this issue include:

- 1) [7958] Re: K1EL Keyer Info
by MSU1972 <MSU1972@aol.com>
- 2) [7959] Radio Shack information
by Jerry Parker <jparker@fix.net>
- 3) [7960] Enclosures, etc: In For A Penny...
by doug hauff <slmachco@fix.net>
- 4) [7961] Now: Historic Electronics Museum was Re: [7919] QRP DX - 4X50DS
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 5) [7962] H40AA
by Bruce Rattray <rattray@gpfn.sk.ca>
- 6) [7963] Re: GQRP - kites
by George Gingell <k3tks@u1.abs.net>
- 7) [7964] Re: Anybody taken ND for QRPTTF yet? - Sierra 10M Bugs
by Bruce Rattray <rattray@gpfn.sk.ca>
- 8) [7965] ONE SPEAKER MIC
by RangerSF5 <RangerSF5@aol.com>
- 9) [7966] Help on St. Louis Tuner
by "Fred Ringwald" <fred@innocent.com>
- 10) [7967] Attn: K4ADI, K5ROV & KL7GN
by Bill Todd <bill@willapabay.org>
- 11) [7968] Re: Finding RS spkr/mic availability
by Bill Howell <bhowell@mail.utexas.edu>
- 12) [7969] Re: Plexi-glass covers ? (one theory...)
by Ed <edn4pk@VoyagerOnline.net>
- 13) [7970] Re: MY SW-40+ :)))
by Michael Maiorana <mikemo@ibm.net>
- 14) [7971] Re: Plexi-glass covers ? (one theory...)
by Monte Stark <ku7y@dri.edu>
- 15) [7972] Everyone get the QRP Quarterly but me?
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 16) [7973] Re: Coax for End fed Antenna?
by Joseph Everhart <n2cx@voicenet.com>
- 17) [7974] Re: Plexi-glass covers ? (one theory...)
by "Steve Hurst" <shurst@magiclink.com>
- 18) [7975] Re: Everyone get the QRP Quarterly but me?
by Monte Stark <ku7y@dri.edu>
- 19) [7976] Re: Plexi-glass covers ? (one theory...)

- by Monte Stark <ku7y@dri.edu>
- 20) [7977] My SW40+...
by Mighty Mik <mitymik@hooked.net>
- 21) [7978] SOLAR SUMMARY: March/April 1998
by Paul Harden <pharden@aoc.nrao.edu>
- 22) [7979] [Re-Send]WTB:SST for 40 Metres
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [7980] QQ *and* QRPp mailing status
by Paul Harden <pharden@aoc.nrao.edu>
- 24) [7981] Theory of the folded dipole?? Need help
by RangerSF5 <RangerSF5@aol.com>
- 25) [7982] Re: QQ *and* QRPp mailing status
by Monte Stark <ku7y@dri.edu>
- 26) [7983] QRPp Mailing Date
by doug hauff <slmachco@fix.net>
- 27) [7984] Emtech NW-40
by "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
- 28) [7985] Introduction and a Question
by Kevin Nathan <knathan@ibm.net>
- 29) [7986] KG7PV
by tom whalen <whalen@swcp.com>
- 30) [7987] D.C.-Conn
by dave_epps@juno.com
- 31) [7988] Re: Everyone get the QRP Quarterly but me?
by "George T. Baker" <w5yr@swbell.net>
- 32) [7989] Picnic Table Vertical
by Tracy@bytemark.com (Tracy)
- 33) [7990] Re: Everyone get the QRP Quarterly but me?
by "Gene Hall" <evhall@ix.netcom.com>
- 34) [7991] Re: Theory of the folded dipole?? Need help
by "George T. Baker" <w5yr@swbell.net>
- 35) [7992] Turn the beams to Alaska
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
- 36) [7993] Fw: Found it! Plexi-glass covers)
by "Steve Hurst" <shurst@magiclink.com>
- 37) [7994] Mercury Rises... Again !
by Conrad <radman@best.com>
- 38) [7995] late openings
by talljazz@teleport.com (Dan Presley)
- 39) [7996] OHR-100A up and running!
by aa5yx@juno.com (John Harper AA5YX/2)
- 40) [7997] Re: Turn the beams to Alaska
by Bob Patten <n4bp@bc.seflin.org>
- 41) [7998] Re: Emtech NW-40
by "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
- 42) [7999] Updated My Website
by "Hidehiko KOMACHI" <ja9mat@nsknnet.or.jp>
- 43) [8000] Bencher dust covers

by Ken Graham <k5id@ipa.net>
44) [8001] Re: Emtech NW-40
by Ed <edn4pk@voyageronline.net>
45) [8002] 6 meters/10 meters/12 meters/QRPTTF '98
by wa5whn@juno.com
46) [8003] DC RXs, DBMs, 602s, etc.s
by MNHopkins <MNHopkins@aol.com>
47) [8004] Re: Everyone get the QRP Quarterly but me?
by nilsbull@juno.com (Nils R Young)
48) [8005] Re:Quarterly
by Bob Liesenfeld <wb0poq@visi.com>
49) [8006] Re: Everyone get the QRP Quarterly but me?
by John Sullllivan <kg0mz@southwind.net>
50) [8007] B&K 'scope
by Bruce Ratray <rattray@gpfn.sk.ca>
51) [8008] Wind, Snow and Radio de AL7FS
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
52) [8009] Re: ND and Sierra 10 meter module bugs
by "Michael Fletcher" <kl7ixi@mailcity.com>
53) [8010] Not good enough, yet de AL7FS
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
54) [8011] QSO Party
by "Ron Polityka" <wb3aal@talon.net>
55) [8012] Re: Everyone get the QRP Quarterly but me?
by KC5TJA <kc5tja@topaz.axisinternet.com>
56) [8013] FAR Circuits...
by Mighty Mik <mitymik@hooked.net>
57) [8014] B&K 'scope (fwd)
by Bruce Ratray <rattray@gpfn.sk.ca>
58) [8015] AL7FS goes back to SciFi Book
by "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
59) [8016] Cap Question
by "Steve Hurst" <shurst@magiclink.com>
60) [8017] 2SC1947 PA in Sierra
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
61) [8018] HALP... 2-vert. dipole 1/4 wave sep. in phase
by jdenison@morelr.com (JOEL DENISON)
62) [8019] Re: AL7FS goes back to SciFi Book
by Joe Gervais <vole@primenet.com>
63) [8020] MERCURY Paddles
by john paul keon <"jpkeon@bellsouth.net"@mail.rdu.bellsouth.net>
64) [8021] Re: FAR Circuits...
by K5BDZ <K5BDZ@aol.com>
65) [8022] MERCURY paddles
by john paul keon <"jpkeon@bellsouth.net"@mail.rdu.bellsouth.net>
66) [8023] AT-11 tuner kit questions answered
by K5BDZ <K5BDZ@aol.com>
67) [8024] Re: Mercury Rises... Again !

by Vic Rosenthal <rakefet@rakefet.com>
68) [8025] Wow! GREAT QRP paddle(tte)s!
by "Gene A. Williamson" <genewill@ordata.com>
69) [8026] RE: FAR Circuits...
by Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>
70) [8027] 15mtr fun
by pmk@juno.com (Patrick M Kvitkauskas)
71) [8028] Books/Test equipment FS
by Jack Parker <Pparker@greatbasin.net>

Date: Fri, 10 Apr 1998 19:38:32 EDT
From: MSU1972 <MSU1972@aol.com>
To: wgabriel@duke-energy.com
Cc: qrp-l@Lehigh.EDU
Subject: [7958] Re: K1EL Keyer Info
Message-ID: <b90252fa.352ead7a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just a note
My K8+ works absolutely great in an Altoids tin (and also doubles as a code
practice generator).
David, KB8OCC

Date: Fri, 10 Apr 1998 16:38:59 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [7959] Radio Shack information
Message-ID: <3.0.5.32.19980410163859.007e1100@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Try 1 800 843 7422

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Fri, 10 Apr 1998 16:49:23 -0700 (PDT)
From: doug hauff <slmachco@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [7960] Enclosures, etc: In For A Penny...
Message-ID: <199804102349.QAA03832@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got four hundred bucks worth of pre-sawed aluminum for the Rainbow Enclosures on shop floor, took delivery of 100 variable caps for same, got a Brand New vertical machining center arriving in ten days...Heatsinks are in work on CNC knee mill, R.E.'s are the first job scheduled for new machining center! R.E.'s will be running in preliminary setups next week. Turnaround time for all projects will be reduced with addition of second machining center! 38S Enclosures and paddle bushings shipping this weekend! Yow! When do I get to sleep! 72 Doug KE6RIE PS SMiTe Enclosure in the works...and Powder Coated Bases being powder coated next week!

Date: Fri, 10 Apr 1998 17:52:18 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [7961] Now: Historic Electronics Museum was Re: [7919] QRP DX - 4X50DS
Message-ID: <199804110052.RAA16310@netcom15.netcom.com>

Date: Fri, 10 Apr 1998 11:50:01 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

WA8MCQ, W6TOY, and I gave a 1 hour talk last night at the Historic Electronics Museum in Linthicum, MD.

For those of you NOT in the Baltimore area, if you ever get out this way, it's about a 3 minute drive from BWI airport and contains an awful lot of displays on military and commercial electronics through the ages.

If you have to stay in the area, there's a hotel just across the parking lot, with a shuttle to BWI. We had to stay overnight on a trip home from Iceland a couple of years ago, and I arranged to stay in that hotel in order to visit the Museum.

The hours of the Museum are a little limited, I think, so check before you do anything drastic. It's mostly military electronics, as I recall.

I had an email address for them, but can't locate it.
73, doug

Date: Fri, 10 Apr 1998 19:07:48 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [7962] H40AA
Message-ID: <Pine.SOL.3.91.980410190516.12277A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks for posting the word about H40AA....just worked him at 0101Z, on
21.024, up 3....I was qrp at 5 watts....2 el tribander...he was 559
here...72 - Bruce(VE5RC)

Date: Fri, 10 Apr 1998 21:10:38 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: "Kenneth W. Evans" <w4du@bellsouth.net>
Cc: G-QRP Club E-mail Reflector <gqrp-1@blacksheep.org>, "N.J. QRP Club List
Server" <njqrp@njqrp.org>, QRP List <qrp-1@Lehigh.EDU>,
Dave Johnson KnightLite QRP Club <klqrp@waterw.com>, "Don (Kite Beacon)
Shipman" <DLShips@aol.com>
Subject: [7963] Re: GQRP - kites
Message-ID: <Pine.BSI.3.96.980410210534.22599B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ken,

I am passing this on to the KL-QRP list and Don Shipman, W3RDF
the resident Kite expert of the KnightLite QRP Club.

Don recently displayed his expertise at kite flying with several
QRP KITE BEACONS during the recent expedition to Core Island, NC
on the the Atlantic Coast.

I am sure that he would be glad to share some of his knowledge with you
and others here who also might be interested in the question.

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Fri, 10 Apr 1998, Kenneth W. Evans wrote:

> I have been told that hams in the UK have a good deal of experience with
> kites as antenna supports. I will be at the beach for two weeks in June
> and would like to use a kite supported antenna since trees are
> non-existent. Any recommendations on the type or source of kite would
> be appreciated. Am open to antenna suggestions as well.

>

> Thanks and 72/3,

> Ken w4du@bellsouth.net

> W4DU

>

> ---

> Via GQRP-L - The G-QRP Club mailing list

>

Date: Fri, 10 Apr 1998 19:14:20 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Brent Alexenko <alexenko@prodigy.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [7964] Re: Anybody taken ND for QRPTTF yet? - Sierra 10M Bugs

Message-ID: <Pine.SOL.3.91.980410191032.12277B-100000@GPFN1.GPFN.SK.CA>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I've been wishing I could "do" ND as I'm only about 3 hours drive from the border but I still can't drive due to my broken ankle....but I'm in the last stretch now as my 3rd cast was taken off yesterday....still can't bend much but it will come eventually...also don't know anyone on the border side of ND....so chances are slim BUT if the healing comes along in time, I'll make a last minute announcement and go for it for QRPTTF...meanwhile let's hope someone in ND can make an appearance...72 - Bruce(VE5RC)

Date: Fri, 10 Apr 1998 21:16:39 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: QRP-L@Lehigh.EDU, FORSALE-SWAP@QTH.NET
Subject: [7965] ONE SPEAKER MIC
Message-ID: <ac45c44d.352ec479@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The 4th person who requested the RS speaker mic(you know who you are)
If I don't hear from you by Monday,it has a home.
This is the last of the batch.
I have no more left,Sorry
Bob
WA2HQQ

Date: Fri, 10 Apr 1998 20:17:46 -0500
From: "Fred Ringwald" <fred@innocent.com>
To: <qrp-l@Lehigh.EDU>
Subject: [7966] Help on St. Louis Tuner
Message-ID: <002c01bd64e7\$a3b65360\$3d01e3d0@labette>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0029_01BD64BD.B9E48640"

This is a multi-part message in MIME format.

-----=_NextPart_000_0029_01BD64BD.B9E48640
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

If anyone happens to have the assembly and operating manual for the St. =
Louis Tuner, I would really appreciate a copy. Of course I would be =
happy to pay reasonable duplication and shipping costs. I had mine when =
I went to paint the cabinet, but for the life of me, I can't locate it.=20

That will show me to clean up my shack!!

Thanks es 73s

Fred Ringwald, AB0AE
fred@innocent.com

-----=_NextPart_000_0029_01BD64BD.B9E48640

Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
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<META content=3Dtext/html; charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.72.2106.6"' name=3DGENERATOR>
</HEAD>

<BODY bgcolor=3D#ffffff>
<DIV>If anyone happens to have the =
assembly and=20
operating manual for the St. Louis Tuner, I would really appreciate a=20
copy. Of course I would be happy to pay reasonable duplication and =

shipping costs. I had mine when I went to paint the cabinet, but =
for the=20
life of me, I can't locate it. </DIV>
<DIV> </DIV>
<DIV>That will show me to clean up my=20
shack!!</DIV>
<DIV> </DIV>
<DIV>Thanks es 73s</DIV>
<DIV> </DIV>
<DIV>Fred Ringwald, AB0AE</DIV>
<DIV>fred@innocent.com</DIV></BODY></HTML>

-----=_NextPart_000_0029_01BD64BD.B9E48640--

Date: Fri, 10 Apr 1998 18:20:59 -0700
From: Bill Todd <bill@willapabay.org>
To: nwq-1@scn.org
Cc: qrp-1@Lehigh.EDU
Subject: [7967] Attn: K4ADI, K5ROV & KL7GN
Message-ID: <1.5.4.32.19980411012059.0070a4b0@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello guys -

I just finished sending off the April 98' "NWQ" Newsletter, and I noticed that my mail attempt to your e-mail address failed.

If you see this message, would you please let me know what your current e-mail address is?

Thanks!
CUL, Bill-N7MFB

<http://www.willapabay.com/~bill>
ICQ me at #8926298

Date: Fri, 10 Apr 1998 20:31:38 -0500
From: Bill Howell <bhowell@mail.utexas.edu>
To: qrp-1@Lehigh.EDU
Cc: RangerSF5@aol.com
Subject: [7968] Re: Finding RS spkr/mic availability
Message-ID: <3.0.1.32.19980410203138.0069f9c8@mail.utexas.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob, WA2HOQ wrote:

Bill,N5ALO,
If you called the National RS store,why not post the number?
What good is half a post?
I called 3 RS stores and they don't know the number
Bob
WA2HOQ

Bob... sorry if my wording was unclear.

My local *RS store* called their national office, not me.
I did ask him if I could have the number to call them myself,
but I was told it was not for customer use. My plan was to
post the number if I could get it.

"Your local RS can call their national office
and get info on which stores in your area still have stock....
this is what I did.

otherwise, you have to call individual stores yourself".

Bill Howell
University of Texas at Austin / Electronic Maintenance
Austin, Texas N5ALO QRP-L #415

Date: Fri, 10 Apr 1998 21:37:10 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7969] Re: Plexi-glass covers ? (one theory...)
Message-ID: <352EC945.5F06C747@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The 12 pounds of dust keep my Kent on the table. I need all the weight I can get. (hihihehe). You mean you guys ACTUALLY dust your stuff !!!
Yikes wots next ??? Cleanin the SWR off ur coax ??
Ed N4PK

Date: Fri, 10 Apr 1998 21:40:18 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: msebrakr@telepath.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7970] Re: MY SW-40+ :)))
Message-ID: <352ECA02.58BD@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Braker wrote:

> I thought we were not going to start building intill sometime after this
> week and we would it a section at a time with a detailed explanation of
> each stage. Am I right or did I miss something a while back?? Thanks.

Nope you didn't miss anything. Ok folks, let's sit tight. Let's give everyone a chance to get their kits.

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"There are flies and blue skies, and the just and the unjust
all walk side by side." KingsX

Date: Fri, 10 Apr 1998 18:48:58 -0700
From: Monte Stark <ku7y@dri.edu>
To: edn4pk@VoyagerOnline.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7971] Re: Plexi-glass covers ? (one theory...)
Message-ID: <352ECC0A.BE2D14E4@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Ed,

Dust is your friend.... remember how the contacts used to get all
tarnished and not make good contact?

Well, let them stay dusty and they become self cleaning! :-)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 10 Apr 1998 22:01:53
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [7972] Everyone get the QRP Quarterly but me?
Message-ID: <3.0.3.16.19980410220153.3c57220a@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I believe the Quaterly is out....but I have not gotten mine yet. Am I alone or am I just jumping the gun. There was no membership expiration on my last copy and don't know if I have lapsed. OH MY!!

Thanks for info.

=====
72/73 de W2UX
Gary McCaughey
Lexington, SC
CW is the REAL THING!
Use it....or lose it.
QRP-ARCI QRP-L CQC
=====

Date: Fri, 10 Apr 1998 22:07:31 -0400
From: Joseph Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Cc: njqrp@njqrp.org, klqrp@waterw.com
Subject: [7973] Re: Coax for End fed Antenna?
Message-ID: <199804110207.WAA30724@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

In a message last week I make a comment aobut extending the tuning range of the Rainbow from 30 and 40 meters up to 20 meters. It is actually quite easy to do and, in fact, one can also extend the tuning range down to 80 meters as well.

Several folks asked how to do it, so here goes...

The Tuner's configuration is a parallel-resonant tuned circuit with a toroidal inductor of just over 6 uH and a compression mica trimmer that is adjustable from about 15 or 20 to about 100 pf. The toroidal inductor is tapped to allow impedance transformation from the high value associated with a half-wave antenna down to about 50 ohms. When connected to a half-wave end-fed wire, it allows some adjustability to bring the whole system to resonance. With the nominal component values, it w3ill generally cover 30 and 40 meters.

However if the the tuned circuit is made resonant on another frequency, it

will be
useful there, too. Ideally you would change the toroid inductor to do this,
but that
can be awfully inconvenient if you want to change bands frequently. :-)

I have been quite successful at using the Rainbow Tuner on 20 meters by simply reducing the effective inductance of the tuned circuit by putting another coil across the ANT and GND terminals. A second toroid with the same inductance as the Rainbow's L1 reduces the inductance in half, giving more tuning range.

I used

a T-68-2 toroid with 35 turns of 26 ga wire (no taps required) external to the Rainbow case and really just hooked up in parallel with the Rainbow tuner and antenna. It tune dup as easily as the "stock" Rainbow and worked effectively with a 34 foot wire slanted up to a nearby support.

You can use a similar trick to put the Rainbow Tuner on 80 meters. This time you want to make the Tuner go lower in frequency by hooking up a capacitor across teh ANT nd GND terminals. I have tried a broadcast type variable with aobut 350 pF and it tunes up quite will into a 2 K resistive load. Unfortunately I have no on-the-air experience uuing the Rainbow on 80 since my yard is to small to hold a 130 foot wire!

Be forewarned, though, that the Rainbow Tuner is not a general purpose wide-range tuner that will work with random length antennas. It is intended to work with an antenna that is about one-half wavelength. That is, for 30 meters one would use a wire about 46 feet, about 67 feet on 40 or roughly 33 or 34 feet on 20. Going to another band generally requires using another antenna. Of course there *is* another trick you can try...

Recall that a half wave antenna on 80 is a full wave on 40, two wave long on 20 and

so on. So it may be possible to use a sinlge 130 to 135 foot end-fed wire on 80, 40

and 20 if the above techniques are used to make the Rainbow tune up on those bands.

I cannot guarantee your results but I do know that my 67 foot wire works well on both 40 and 20 mters!

72/73,

Joe E., N2CX

>From South Jersey, y'all!

home: n2cx@voicenet.com
work: jeverhar@camden.lmco.com

Date: Fri, 10 Apr 1998 20:27:49 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <edn4pk@VoyagerOnline.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7974] Re: Plexi-glass covers ? (one theory...)
Message-ID: <199804110222.WAA29080@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ed and gang,

Yeah..... I must confess..... I'm one of those crazy people that has to have everything nice and neat and in its place !! You ought to see my "shack" , it would drive you nuts ! You can perform surgery in here. NASA has requested that they be allowed in just to study my cleaning habits ! They've even asked me to teach their tech's how to clean the shuttle the right way !! (just kidding on that one, but the surgery one is valid !)

I have gathered that no one knows the where about's of the dude who makes the plexi-glass covers for the Bencher's ???? I know I could make my own, but by the time I bought the right tools for the job, I could set up shop manufacturing the darn things !! Hey..... now there's an idea !!!! Stay tuned , yeah !!!!!!!!!!!!!!!

P.S. I use "Armor All " (tm.) on my coax, what about you ??

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

> From: Ed <edn4pk@VoyagerOnline.net>

> The 12 pounds of dust keep my Kent on the table. I need all the weight
> I can get. (hihihehe). You mean you guys ACTUALLY dust your stuff !!!
> Yikes wots next ??? Cleanin the SWR off ur coax ??
> Ed N4PK
>

Date: Fri, 10 Apr 1998 19:24:45 -0700
From: Monte Stark <ku7y@dri.edu>
To: mail4gary@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7975] Re: Everyone get the QRP Quarterly but me?
Message-ID: <352ED46D.F12CB76C@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gary,

I got feedback from a small hand full of folks back east that have received their Quarterly. That was yesterday, so they should be showing up any time.

The missing data on the Jan address labels was a topic awhile back. The labels should be right this time. Jan was the first time we had ever sent the label data to the printer via e-mail. New things always need a little fine tuning!

You can look on the issue before that for your expiration date.

The NorCal QRPP should also be showing up any time now because I think they are also in the mail.

This is always a fun time..... all the waiting..... !!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 10 Apr 1998 19:28:12 -0700
From: Monte Stark <ku7y@dri.edu>
To: shurst@magiclink.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7976] Re: Plexi-glass covers ? (one theory...)

Message-ID: <352ED53C.F83185DF@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Steve,

Steve Hurst wrote:

>
> P.S. I use "Armor All " (tm.) on my coax, what about you ??
>

When I was in Idaho, I used to fill my coax with Armor All too but it still got SWR in it!

: -)

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 10 Apr 1998 19:34:35 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [7977] My SW40+...
Message-ID: <352ED6BB.3B40EE88@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

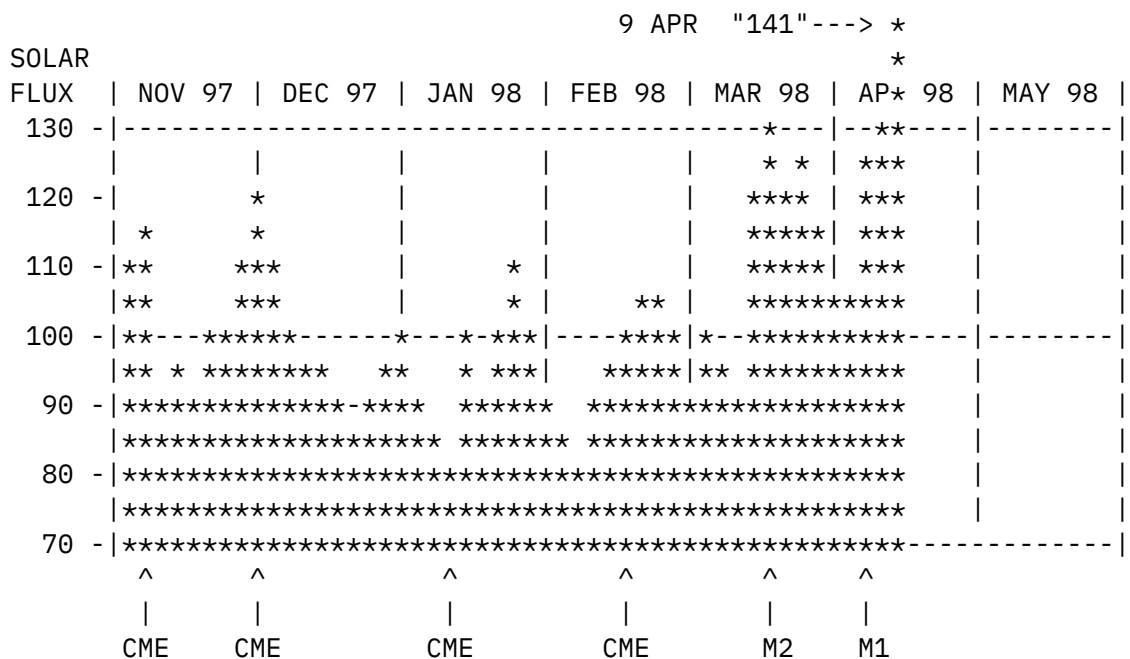
hey guys, don't dispare...i didn't get my kit to be part of a class...i was just in the market for a kit, and it sounded like it was a good kit to buy! Not to mention that the price was right. I was looking for material on NE602 / LM386 recievers, and been following here ever since. That led to the purchase of the SW40+ (and a bunch of 602s for a Micro-20). So...go to it guys, don't mind me :))

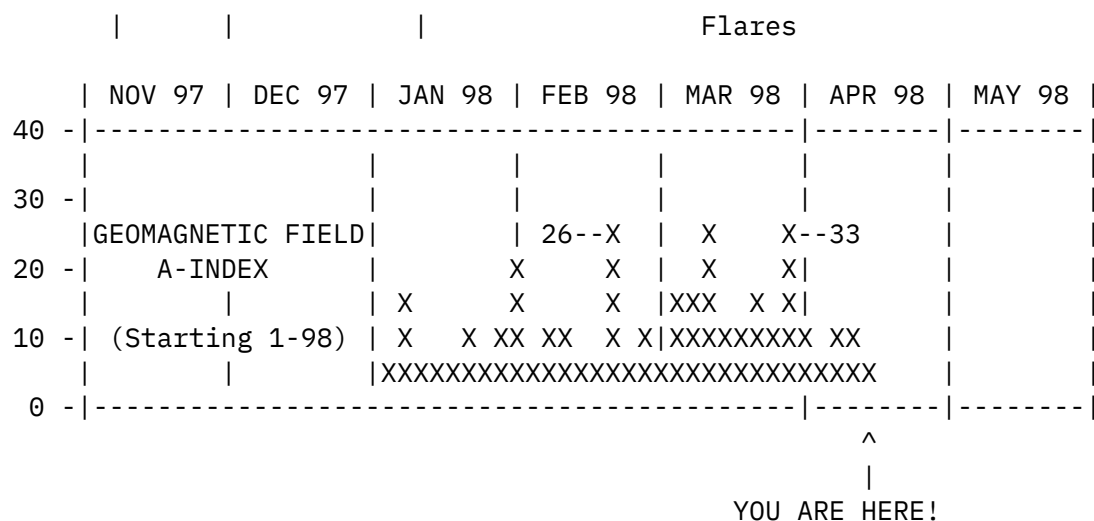
Date: Fri, 10 Apr 1998 20:34:20 -0600 (MDT)
 From: Paul Harden <pharden@aoc.nrao.edu>
 To: qrp-l@Lehigh.EDU
 Cc: GQRP-L List <gqrp-l@blacksheep.org>, arnie@radiohc.org
 Subject: [7978] SOLAR SUMMARY: March/April 1998
 Message-ID: <Pine.SOL.3.91.980410203108.1663A-100000@zia>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

SOLAR ACTIVITY QUICK-LOOK *** Updated: 10 APRIL 1998

```
=====
----- SOLAR ACTIVITY -----      ----- GEOMAGNETIC FIELD ACTIVITY -----
10cm flux average:  130                A-Index:  6
3-5 day forecast:  130-140            3-5 day forecast:  3-10
```

SOLAR SUMMARY: During March, the sun showed many signs of an active sun. Numerous C-class flares, some coronal mass ejections (CME) and the 28-day cycle of the solar flux is becoming well defined (see chart below). The area of the sun that caused several major disruptions to communications mid-March is just now rotating back into view, so the next two weeks could produce solar disturbances strong enough to trigger geomagnetic storms. On April 8-9, the solar flux hit 141, the highest it has been in years. This level of flux, with the generally quiet geomagnetic field, means the higher bands are supporting good skip propagation and periods of low absorption for excellent low-signal work for QRPers.





72, Paul Harden, NA5N

National Radio Astronomy Observatory
VLA/VLBA Radio Telescopes
Socorro, NM, USA, Earth

Date: Fri, 10 Apr 1998 22:46:49 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [7979] [Re-Send]WTB:SST for 40 Metres
Message-ID: <199804102250_MC2-3994-BA86@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Looking for fully assembled SST for 40 Metre band. Anyone have one you will part with? Also very much interested in SST rigs for other bands...but sure hope to find one for 40 Metres.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904

507/289-5108 (eves)

P.S. Sorry for the additional posting...but what "Mailer-Daemon" sent a few minutes ago:

>> Sorry. Your message could not be delivered:

Message contained no valid addresses. <<

Date: Fri, 10 Apr 1998 21:07:34 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Monte Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7980] QQ *and* QRPp mailing status
Message-ID: <Pine.SOL.3.91.980410203548.1663B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 10 Apr 1998, Monte Stark wrote:

> I got feedback from a small hand full of folks back east that have
> received their Quarterly. That was yesterday, so they should be showing
> up any time.
>
> The NorCal QRPp should also be showing up any time now because I think
> they are also in the mail.

The Spring "QRPp" is awaiting bindry and will be mailed about the same time you send in your 1040! Following the Post Office recommendation for timely delivery, they will be mailed a day or two AFTER April 15th :-)
An announcement will be made when they are mailed.

72, Paul NA5N

Member of the secret and elusive "NorCal PPPP & MLC" Committee (Pre-Press, Post-Production and Mailing Logistics Committee), interim chairperson, acting assistant to the other guy, west coast division. Member FDIC, FEMA, AA, AAA, and Work-Release Program. An Equal Opportunity Employer. NYSE symbol: "INTEL". Birth sign: "Emergency Room - Next Exit."

Date: Fri, 10 Apr 1998 23:11:37 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-1@Lehigh.EDU, antennas@qth.net
Subject: [7981] Theory of the folded dipole?? Need help
Message-ID: <137287ba.352edf6a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Can anyone out there explane the theory of operation of the folded dipole?
Especially the MFJ version as it seems to me to work so well.
However,I have the specs and although The ones I made,along with the MFJ
antenna all have a high SWR.
I tried different configureations,dipole,inverted "V" and a sloper and still
get a 2.5/1 SWR
How do the stubs on the MFJ version work?
At the feed line there is a cap bridged from one side of the of the 300 ohm
line to the other.
I made another version,My own but this time I left the cap out.Same readings
and works well but SWR on the high side so now I'm asking myself what is the
cap there for??
In 20 years of ham radio,this is my first jump into any type of antenna the
uses 300 ohm line and I just can't seem to find much info on how the folded
dipol works
Many thanks in advance
Bob
WA2HOQ

Date: Fri, 10 Apr 1998 20:13:02 -0700
From: Monte Stark <ku7y@dri.edu>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7982] Re: QQ *and* QRPP mailing status
Message-ID: <352EDFBE.B71D5F39@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Sorry about the miss information about the QRPP. I thought Doug had said
it had been mailed but I must have misunderstood him! We did cover a lot

of ground in a short time!!

I hope this didn't cause any trouble and I'll learn to check before posting his schedule again!!

That's Paul for getting the right info out!

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 10 Apr 1998 20:14:56 -0700 (PDT)
From: doug hauff <slmachco@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [7983] QRPP Mailing Date
Message-ID: <199804110314.UAA18656@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am at Doug Hauff's Machine shop working on a project, and I just read Monte Stark's message about delivery of QRP Quarterly. In his message he mentioned that the Spring issue of QRPP was in the mail. That is not true. I will announce when the Spring issue is mailed and it will be mailed via first class as always. There is no firm date for mailing QRPP. We have 4 issues per year, Spring, Summer, Fall and Winter. Those are seasons guys, not firm dates. I have a day job, so does the printer, this is a hobby and a labor of love. We know that you are anxious, and we appreciate it. But we do not have deadlines.

Please be patient. It is at the printers, and it is being printed. Good work, like good wine, takes time. We will not rush QRPP. Again, I am the one who will announce that it has been mailed.

Thanks to Doug Hauff for the use of his computer terminal. God this is a neat place. I think I just died and went to Erector set heaven. 72, Doug, KI6DS

Date: Fri, 10 Apr 1998 23:14:58 -0400
From: "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>

To: <qrp-1@Lehigh.EDU>
Subject: [7984] Emtech NW-40
Message-ID: <00c501bd64f8\$02e87e20\$4080d2cc@default.stny.lrun.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings...

A couple of weeks back, I requested opinions re: the Emtech line of QRP transceivers. Virtually all of the responses were positive, so I ordered one. I just completed final assembly this evening. It was truly a pleasure to build. Well-written instructions and quality components throughout.

Just put it on-air a few minutes ago. Heard AD4QQ calling CQ on 7105, and answered him. He came right back with a 578 report, and we enjoyed a nice QSO. I realize that a 500-mile QRP contact at 4 watts is nothing extraordinary - especially to you QRP veterans - but it certainly was a thrill to have that first QSO on a rig I built myself. I'm sure you all know the feeling...

I have, however, encountered one problem, and was wondering if others have experienced the same...

When transmitting into a dummy load, I have a nice clean sidetone in the headphones.

But, when transmitting into an antenna, the sidetone sounds like its at zero-beat, (instead of offset by ~700 Hz), and there's 60-cycle hum in evidence - both in the sidetone, and on the transmitted carrier (as monitored on a separate receiver).

I'm assuming that this an RF feedback problem. The antenna is a dipole, "tuned to a T" for the center of the 40 meter band. I also use an MFJ transmatch to optimize the match even further. SWR is 1.1:1 on both the transmatch's built-in meter, and on a separate meter installed between the rig and the transmatch.

I live in an apartment, and the best I could do in regards to antenna location was to place the feedpoint of the dipole about 15 feet from the radio - just outside, and above the window. The two wires extend away from the building in a semi-inverted vee configuration.

Power supply is a 0-to-15 volt variable, capable of 5 amps at full load. I'm thinking that my problem is caused by RF getting back into the PS via the building's AC wiring, (common mode), or by RF feeding back into the rig via the wire running to my (straight) key, or via the headphones.

I plan to pick up some .01 caps and snap-on ferrite line chokes from R.S. tomorrow to try bypassing the obvious points of RF entry at the rig - and will borrow a gel-cell to see how it runs without an AC supply.

I was wondering though, if there are any mods for the Emtech NW-series rigs that I should be aware of.

Any advice will be greatly appreciated!

73,

Jim Barrett - KC2DCC - Elmira, NY

jbarrett@stny.1run.com

Date: Fri, 10 Apr 1998 21:52:28 -0600
From: Kevin Nathan <knathan@ibm.net>
To: qrp-1@Lehigh.EDU
Subject: [7985] Introduction and a Question
Message-ID: <3.0.1.32.19980410215228.0068abd0@pop4.ibm.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello again,

I want to first of all thank all of you who have responded to me already concerning my question about rigs. I want to clarify some info as requested by some. I would like to have all bands available to me on one radio--not necessarily the warc bands. I love cw but would like to have sideband capability as well. I would like to be able to chase the good stuff on 20, 15 and 10 and yet have enough power to check into an 80 meter net in the evening and be heard.

As for building, I have never done this primarily because I am totally blind and this has never been a strong point for me. So given that, any other suggestions? I have also heard of the Kenwood 120V--what do you know of this radio?

Again, thanks in advance for your help and 73 from K7RX.
Kevin nathan

Date: Fri, 10 Apr 1998 21:58:58 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7986] KG7PV
Message-ID: <352EEA82.3382@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Steve, if you see this post send me your email address. I lost you in the qrm and qsb when you started to give it to me. Sure enjoyed the qso and looks like we share the same rigs!!

72, Tom WB5QYT

Date: Fri, 10 Apr 1998 21:20:29 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [7987] D.C.-Conn
Message-ID: <19980410.212049.11134.2.dave_epps@juno.com>

What is the standard d.c. connector .
I'm sure it's not the rca connectors with the male from the pwr sply which is
what Ten Tec used in the 20 mtr qrp T-Kit rig. Info appreciated.
dave ab5pc fresno, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 10 Apr 1998 23:35:28 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: mail4gary@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [7988] Re: Everyone get the QRP Quarterly but me?
Message-ID: <352EF310.D1C2323B@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Same here, Gary, but I am a new member (#9583) so maybe it takes longer that way.

Gary M. - W2UX wrote:

>
> I believe the Quaterly is out....but I have not gotten mine yet. Am I
> alone or am I just jumping the gun. There was no membership expiration on
> my last copy and don't know if I have lapsed. OH MY!!
>
> Thanks for info.
>
> =====
> 72/73 de W2UX
> Gary McCaughey
> Lexington, SC
> CW is the REAL THING!
> Use it....or lose it.
> QRP-ARCI QRP-L CQC
> =====

--

72/73, George
Amateur Radio W5YR (since 1946)
QRP-L #1373 QRP ARCI #9583
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Sat, 11 Apr 1998 00:46:30 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [7989] Picnic Table Vertical
Message-ID: <01BD64E3.A1DFE280.tracy@bytemark.com>

A few weeks back I posted a question on how to feed a grounded vertical antenna supported by a picnic table. I got many responses and appreciate the input from all of you.

A couple of people suggested I try a quarter wavelength half-sloper antenna. That's what I decided to do, and here's what I came up with.

I mounted a 1:1 balun at the top of the pole, fastened by tie wraps to the little ring that's supposed to hold the top guy wires, and at the bottom of the balun as well. I made a grounding set with crimp-lugs and connected one side of the balun to the clamp that fastens the guy ring to the mast. The other side of the balun is connected to a 34 foot wire that is tied off 10 feet off the ground. The push-up pole manages to get to 27 or 28 feet at the point of the balun, and is mounted through a tight hole in the top of a standard picnic table. The pole is about 4 feet in the ground, with no other grounding rods or radials (yet).

Pulled out the rig, power supply, swr meter, key and extension cord, and set up a nice little operating station on the picnic table. It loaded at 1.8:1 on 7.040 the first time! I imagine the match will be better when I improve the ground.

After listening for a while I decided to answer a cq I heard. I tried several times and eventually he returned my call. We never completed the qso, but on ONE WATT I made my first cw contact in years. I was impressed that my Kenwood TS-680s could be set to such a low power output that my 5 watt swr meter wouldn't even move. The power control is very touchy at that level, but a little fidgeting and it's stable once set.

I'm really excited ... You guys have fired me up. Anyway, I'm back and the world is real trouble now!

Tracy N4LGH #1453

Date: Sat, 11 Apr 1998 00:38:34 -0400
From: "Gene Hall" <evhall@ix.netcom.com>
To: <mail4gary@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7990] Re: Everyone get the QRP Quarterly but me?
Message-ID: <199804110437.XAA29156@dfw-ix6.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gary,

I'm still waiting for mine to arrive also.

Maybe its a SC thing.

Gene - WA4HHP
Summerville, SC

> From: Gary M. - W2UX <mail4gary@worldnet.att.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Everyone get the QRP Quarterly but me?
> Date: Friday, April 10, 1998 6:01 PM
>
> I believe the Quaterly is out....but I have not gotten mine yet. Am I
> alone or am I just jumping the gun. There was no membership expiration
on
> my last copy and don't know if I have lapsed. OH MY!!
>
> Thanks for info.
>
>
> =====
> 72/73 de W2UX
> Gary McCaughey
> Lexington, SC
> CW is the REAL THING!
> Use it....or lose it.
> QRP-ARCI QRP-L CQC
> =====
>

Date: Sat, 11 Apr 1998 00:11:23 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: RangerSF5@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7991] Re: Theory of the folded dipole?? Need help
Message-ID: <352EFB7B.709D275E@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob, take a look at the ARRL Antenna Book for a good discussion of folded dipoles. The little capacitor you left off is there to work with a specified-length section of the 300-ohm feedline to match to a 50-ohm coax. While that may match impedances, it begs the issue of connecting an unbalanced line to a balanced line directly. At lower HF frequencies it will probably have little practical effect, however.

The quick and dirty explanation of the folded dipole is that if two dipoles are placed very close together (close with respect to a

wavelength) with their ends shorted together and then *one* dipole is fed in the center, the (free space) driving point impedance of the dipole is raised from 70 ohms to 4 times that or 280 ohms - close enough to 300 ohms for a 300-ohm line to operate "flat" with a low SWR at the design frequency. Three dipoles in parallel give a 9 times increase. There is some additional fine tuning dealing with the respective diameters of the dipoles that are paralleled, but most hams that use this antenna simply use the 300-ohm line throughout for convenience.

Basically, cut a length of 300-ohm line to about the formula length for a dipole. Short the two conductors together at each end where the insulators go. Open ONE conductor at the center of the antenna and attach the 300-ohm feedline. You can melt some of the polyethylene with your soldering iron to beef up the center joint and make it waterproof. You can run the feedline to a balanced-line tuner and then to the transmitter, or use the capacitor/stub approach in the Handbook for a coax line, or any of several other methods. As with any dipole antenna, prune the length to put the resonant frequency where you want it.

Contrary to a lot of old wives' tails, a folded dipole is no more efficient or a better radiator than a simple dipole. The folding process is done only to raise the driving point impedance. You sometimes see this approach taken with Yagi's where the driven element impedance may be rather low. A folded structure can raise that to a more convenient value to work with practical transmission lines. But, nothing else is gained with the folded configuration. The antenna can be erected in any way that a dipole can: V, straight, sloper, vertical, etc.

In the old days, back in the 40's, when folded dipoles became popular due to TV making 300-ohm line cheap, we would wax the line (not the antenna!) with Johnson's paste wax to reduce the effects of moisture.

Haven't thought about folded dipoles in many a year - thanks for the memory! My very first station in 1946 was a 6L6-807 running about 15 watts to a 20-meter folded dipole strung up in the house at ceiling height through the den and kitchen - my parents were VERY understanding and supportive! Almost QRP, but I really doubt that I was getting as much as 5 watts into that antenna. CW, of course, with a Johnson Speedex hand key with a Navy knob!! Still use it . . .

--

72/73, George

Amateur Radio W5YR (since 1946)

QRP-L #1373 QRP ARCI #9583

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Fri, 10 Apr 1998 22:59:32 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [7992] Turn the beams to Alaska
Message-ID: <352F14D3.77E0E88F@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I hope to see many of you in the contest tomorrow. Feel free to turn your antennas to Alaska from time to time. Also, there is no way I can compete in the pile ups near .040, .060 so I will not hesitate to be above or below the roar so I can get heard. Listen for me. Sounds like "AL7FS" if you hear it. :-)

N4BP and W4ED sucked me into this so I will give it a try. It's been windy but in the last few hours it has died down. Hopefully I can crank the tower back up to 40 feet tomorrow.

73,
Jim AL7FS

Date: Sat, 11 Apr 1998 01:29:59 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-l@Lehigh.EDU>
Subject: [7993] Fw: Found it! Plexi-glass covers)
Message-ID: <199804110724.DAA20632@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Bob Hirsch was kind enough to look up the information I was looking for !!
THANKS BOB !!!!! I'm passing it along here , for anyone else who's
interested . Thanks and have a happy Easter / Passover weekend !!!!

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>

shurst@magiclink.com

> From: Bob Hirsch <bobh@p3.net>
> Here's the info on the dust covers, Steve. Classified ad in QST:
>
> DUSTCOVERS: Plastic dustcovers for the following paddles: Bencher,
Vibrokeyer, Vibroplex Iambic, Kent, and MFJ-564 with your call engraved.
\$14 includes S&H. Larry Stamm, 28 Topton Road, Kutztown, PA 19530
>
> I don't know a thing about the product or the guy, just that I've seen
his ad many times.
>
> GL - I hope it's what you're looking for.
>
>
>
> 72/73 de Bob, W3CW
> New Hope Pennsylvania

Date: Sat, 11 Apr 1998 00:27:34 -0700
From: Conrad <radman@best.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [7994] Mercury Rises... Again !
Message-ID: <01BD64E0.AD657000@radman.vip.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

It's true! The Mercury will rise again and you can witness the =
reincarnation of these heavenly paddles at Dayton '98 right at the =
Bencher booth. There will be *one* shiny, gleaming pre-production =
Mercury for all eyes to behold and ogle... but, not buy!

The various reportings/rumors of the Mercury/Bencher buy-out (or would =
that be: Bencher/Mercury merger?) are legit according to a company =
spokesman at Bencher Co, Wood Dale, IL -- with whom I spoke via =
land-line just this morning. The deal is done!

The Mercury will be available in limited-production quantities at the =
end of June time-frame and will reportedly bear a US List Price of =
\$495.00. The gentleman hastened to add that once they (Bencher) =
determine what sales-channel they'll use for the Mercury (ie... =
HRO/retail or factory/special order) the actual Mercury selling price =
will fall a bit. Unless, of course, market demand rises -- in which case =

supply would fall and the price would... er, I'm not sure...

The other rumor -- that Bencher was going to introduce a beefy 11-pound = version of the Classic Mercury? code-named: "Mercurles" was quickly = dispatched by the Bencher spokesman as "utterly false! "=20

In any event, I'm told that the "Son-of Merc" will be identical to the = "Original Merc" in every way (except serial number, natcheraly) and CW = fanatics who must have the Fender Stratocastor of Paddles can finally = satiate that long aching desire to serenade the Heavens with the sweet, = rhythmic music of the gods that makes angels weep and Samuel F.B. Morse = proud. =20

As they say at Bencher... "dit... dit"

72 -- Conrad -- nn6cw.

Date: Sat, 11 Apr 1998 00:48:31 +0100
From: talljazz@teleport.com (Dan Presley)
To: qrp-1@Lehigh.EDU
Subject: [7995] late openings
Message-ID: <v01530507b1545fcb0275@[204.202.160.35]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As of 0700Z on the west coast, both 30 & 20M are open to the pacific and some europeans. Worked LA (Norway) last night at 0600 on 30, so I expect some 'night owls' for the ARCI contest this weekend!
Dan N7CQR

Date: Sat, 11 Apr 1998 06:20:29 EDT
From: aa5yx@juno.com (John Harper AA5YX/2)
To: qrp-1@Lehigh.EDU
Subject: [7996] OHR-100A up and running!
Message-ID: <19980411.061938.8087.3.AA5YX@juno.com>

Last Tuesday afternoon the UPS man brought me the much-anticipated box from Michigan containing the 20 meter version of this kit. Two evenings later (4 hours as the solder melts) I began the alignment procedure.

Dick, from OHR was very helpful in answering a couple questions I had regarding the alignment of the zero beat.

Then, with the cover still open and the Fluke and freq counter spread all over the table, I attached a random wire antenna and heard an EA8 calling CQ on 14.010. I answered him and he gave me a 569. Then two more stateside QSOs before closing up the enclosure and calling it "Done". I know the Canary Islands is far from being exotic DX but it sure makes a nice 1st QSO on a newly built rig.

This is fun stuff, ain't it!

John Harper AA5YX/2 (ex: KA5BBL, KI5OW, VQ9BL)
TenTec Century 21, HW-9, NorCal 40A, OHR-100A/20m, 38S
NJ-QRP 148
<http://home.att.net/~j..harper>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 11 Apr 1998 06:29:26 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7997] Re: Turn the beams to Alaska
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 10 Apr 1998, Jim (AL7FS), Nancy, Juliann & Issei wrote:

>
> I hope to see many of you in the contest tomorrow. Feel free to turn
> your antennas to Alaska from time to time. Also, there is no way I can
> compete in the pile ups near .040, .060 so I will not hesitate to be
> above or below the roar so I can get heard. Listen for me. Sounds like
> "AL7FS" if you hear it. :-)
Of course, from AE4IC/W4ED/N4BP land, the antennas will be pointed your way most of the time anyway. :-) Prop reports have been sounding good. Let's keep our fingers crossed...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Sat, 11 Apr 1998 08:06:17 -0400
From: "Jim Barrett - KC2DCC" <jbarrett@stny.lrun.com>
To: "Conrad" <radman@best.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [7998] Re: Emtech NW-40
Message-ID: <00b701bd6542\$3bbb00c0\$4080d2cc@default.stny.lrun.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Conrad <radman@best.com>
To: 'jbarrett@stny.lrun.com' <jbarrett@stny.lrun.com>
Date: Saturday, April 11, 1998 12:24 AM
Subject: RE: Emtech NW-40

Hi Conrad.... Thanks for the response re: the Emtech.

I'm not sure if it's a switching supply. It's a Micronta model that's no longer sold by Radio Shack. The cover is riveted on, rather than being attached with screws. (Nothing that a drill can't "fix" in short order). It's rather light in weight, which leads me to believe that it may indeed be a switching supply. Looking through the air vents, I can see what appears to be a matched set of TO-3 transistors, mounted on a heat sink which would point in that direction. Being a variable-voltage model makes it likely as well.

Measured AC ripple under load is quite low (with a DVM), but I'm betting that if I look at the DC output with a scope, I'd see AC-modulated RF "garbage" coming back while transmitting.

After more experiments, I'm 90% certain that it's the cause of the problem. In the homebrew spirit, I plan to construct my own PS, which will be built with an eye towards suppressing RFI and common-mode hum. The gel-cel will

tell the tale when I pick it up later today for a test.

I am indeed located in a second-floor apartment. I have a one-inch copper braid ground line running down the outside wall to an 8' rod, but I know this isn't an adequate RF ground. I did purchase an MFJ Artificial Ground from a fellow on this list who advertised it here last week. Sent out the check a couple of days ago, so it should be along shortly...

Other than the one problem, I'm really pleased with the Emtech rig. I was very impressed with the quality of the board and parts. The VBT and active audio filter give it great selectivity. An RF gain would be nice though, as I did note some image and crossmod interference from a local SSB net (near the top end of 40), which was bleeding through between 7.050 and 7.080. All of the net members are located within 10 miles of my QTH, and most had 40 over 9 signals on their actual transmit frequency, so I'm not surprised that the Emtech was a bit overwhelmed. I'm extremely pleased with the receive performance overall.

In any case, I plan to "collect the full set" (Of Emtech rigs) for 80, 30 and 20. Something to keep me busy until the K2 goes into full production later this spring. (Definitely plan to put one of those in the shack)!

Thanks again for the "feedback re: the feedback"

73

Jim Barrett - KC2DCC - Elmira, NY

jbarrett@stny.1run.com

Date: Sat, 11 Apr 1998 21:35:08 +0900
From: "Hidehiko KOMACHI" <ja9mat@nsknnet.or.jp>
To: <qrp-1@Lehigh.EDU>, <qrp-1@blacksheep.org>
Subject: [7999] Updated My Website
Message-ID: <000101bd6546\$459746e0\$3cb8a1d2@fmv-5133d5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-2022-jp"
Content-Transfer-Encoding: 7bit

Dear QRPers-

I've added 2 New Items today to my website.

- 1) Small Wonder Labs WM-20
- 2) Homebrew CPU controlled Keyer with memory

Please enjoy your weekend.

72! From JA9MAT <http://www.nsknet.or.jp/~ja9mat>

Date: Sat, 11 Apr 98 07:50:57 PDT
From: Ken Graham <k5id@ipa.net>
To: qrp-1@Lehigh.EDU
Subject: [8000] Bencher dust covers
Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit

Hi Guys and gals,

Recently I bought a "high isolation" antenna switch for my television from Radio Shack.#15-1249 @ 6.99. Switch works ok, but the bubble pack bubble is a perfect fit over the Bencher!! Not so durable that you can step on it, but given reasonable care, should last years...

Regards, Ken K5ID

Date: Sat, 11 Apr 1998 09:09:47 -0400
From: Ed <edn4pk@voyageronline.net>
To: jbarrett@stny.lrun.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8001] Re: Emtech NW-40
Message-ID: <352F6B9A.527E4466@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I suggest that you start by bypassing the D.C. leads. I had a similar problem with a keyer and found the problem was RF on the D.C. leads. Coupla caps and I was ready to go...Hpe this helps.
Ed N4PK

Date: Sat, 11 Apr 1998 07:57:51 -0600
From: wa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [8002] 6 meters/10 meters/12 meters/QRPTTF '98
Message-ID: <19980411.075801.2678.0.wa5whn@juno.com>

greetings solar observers,

Since several of You had asked, some sporadic E has been observed on 6 meters stateside, and one DX long haul into ZL from DM65 on 6. In the past, 6 meters sounds just like 10 meters, when the solar flux is above 180. We are probably 1 year away from some reliable DX multi-hop 6 meters contacts, BUT, keep listening to the 6 meter watering hole {50.125 MHz USB}. There are 6 meters beacon lists published on several of the 6 meters URLs.

10 meters was open yesterday {April 10th ~ 2300 UTC}, and ZLs & VKs were coming through into DM65, plus a multitude of South America & Central America stations.

Does anyone plan on operating from the Continental Divide for QRPTTF '98 ?

We will be headed up to the 4 Corners site for this event {QRPTTF '98}. I had called NOAA, in Albuquerque, and had asked for the wx statistics for that area around April 25/26. Statistically, this may make Riley, NM {QRPTTF '96} look like a beautiful spring day. :-(Forget the kites, lash down the operators & radios. :-)

How come I don't hear any of the QRP Crowd on 12 meters ? I am beginning to feel very lonely on 12 meters, by myself {and my GM-12} talking to all of these QRO People. ;-)

@ T minus 14 days & counting
until the NorCal QRPTTF '98...

72...Jay, WA5WHN/qrp
mobile during the Sprint today.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 11 Apr 1998 10:13:17 EDT
From: MNHopkins <MNHopkins@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [8003] DC RXs, DBMs, 602s, etc.s
Message-ID: <e804cf81.352f7a7f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For 11 years I have had in service a DC RX from the original '68 article. Its homebrew DBM wound on T-68-2s and using back matched 1N-914s is substantially tougher than any of the NE-602 rigs I have tried, but I do not find it "still able to hear weak signals." I find it deaf as a post. It needs a RF amp on 80M if one does not wish to run 100+ dB of audio.

In fact, I use a MPF-102 RF amp and a preselector from the ARRL's Progressive Communications RX, which raises parts count and prompts some to say "why not build a superhet?" Two reasons:

1. Superhets don't sound good
2. The DCs DBM, fed with my ancient Precision 200 or any other signal generator, makes a general coverage RX for the bench.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sat, 11 Apr 1998 10:09:41 -0500
From: nilsbull@juno.com (Nils R Young)
To: ku7y@dri.edu
Cc: QRP-L@Lehigh.EDU

Subject: [8004] Re: Everyone get the QRP Quarterly but me?
Message-ID: <19980411.101214.6582.2.nilsbull@juno.com>

Ron,

What a bunch of whiners! You'd think that we all were supposed to get our magazines together, all on the same day, like some kind of prayer circle or something! Hell, I got my copy of the quarterly yesterday and have already tried to figure out how I'm gonna read (as in REALLY read, at the deep structure, Chomskyesque level) all that stuff & still study for the sociolinguistics quiz that's gonna beat me to Monday.

Like Butt-Head used to say "Dammit, Beavis! Calm Down!"

Damn anxious gringos! Postal 'em all! Let "Bob" (as in the One True Salesman!) sort 'em out!

73

Nils

And furtherless . . . Damn nice work too. I put the copy down after lookin' through the articles (especially about the ZM tuner) and thought "This is almost as good as the ol' 'Ham Radio' magazine used to be!"

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 11 Apr 1998 10:13:45 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: qrp-l@Lehigh.EDU
Subject: [8005] Re:Quarterly
Message-ID: <352F88A9.3F23DDEB@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nils R. Bull Young wrote:

>This is almost as good as the ol' 'Ham Radio' magazine used to be!

WOW! I want my copy NOW!!! :-0

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld

wb0poq@visi.com

Date: Sat, 11 Apr 1998 10:38:06 -0500
From: John Sulllivan <kg0mz@southwind.net>
To: qrp-1@Lehigh.EDU
Subject: [8006] Re: Everyone get the QRP Quarterly but me?
Message-ID: <352F8E5E.3C1FF903@southwind.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nils R Young wrote:

> Damn anxious gringos! Postal 'em all! Let "Bob" (as in the One True
> Salesman!) sort 'em out!
>

Whoa, maybe it ain't the postal guy whose shoulders the blame for MY mag not being
on my lap. What if
the Stark Fist of Removal snatched'em? But it ain't July yet!

Date: Sat, 11 Apr 1998 09:46:33 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>
Subject: [8007] B&K 'scope
Message-ID: <Pine.SOL.3.91.980411094009.28147C-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've been having a good time checking the vertical & horizontal
calibration of the B&K 'scope I purchased at the flea market in Moose
Jaw...had to find a frequency counter to check the signal generator and
sure enough the dial on the freq counter was off.....so once I corrected

that I checked again and the 'scope is calibrated ok...many, many thanks to Paul Harden for the instructions he posted about 'scopes on the QRP-L server....I'm still looking for a manual.....it's a model 1535A, dual trace, 35 mHz...must be one out there somewhere...hi hi....I've been cruising the web as well but no luck so far....all suggestions welcome...Happy Easter to all!...72 - Bruce(VE5RC+VE5QRP) e-mail: rattray@gpfn.sk.ca

Date: Sat, 11 Apr 1998 08:01:51 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [8008] Wind, Snow and Radio de AL7FS
Message-ID: <352F93EE.CD3C4403@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good Morning. I crawled out of bed at 1200Z but no signals anywhere. Now it is 1600Z, the wind has stopped, and it is snowing. So now I go crank up the tower to 40 feet and see if the bands are open yet to Alaska. Do signals travel through snow?

73,
Jim, AL7FS

Date: Sat, 11 Apr 1998 09:19:18 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [8009] Re: ND and Sierra 10 meter module bugs
Message-ID: <MIBDBFJNHOACAAAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brent,
I built 15m and 10m band modules this week for the Sierra. Only had the barest flicker on the wattmeter on 15m, even with one less turn from L5 as recommended in the mods. After reading threads from some QRPers on the 10 meter module needing two additional turns on the L3 meter, I tack-soldered a length of #28 to one

side of
the L3 wire and wound two more turns.

Eureka! The meter is now reading the same as on the lower bands, about 3.5w out.

Then wired up the 10 meter module with two additional turns from the start on L3 (again with a turn removed from the L5 specs.). It fired right up and the adjustable caps on the xmit are in mid-range. It works for me!

I don't have much test equipment either so have aligned most of my module frequencies by listening to W1AW or asked for freq checks during my first QSOs and then aligned the module to the correct freq.

I had expected to only see less than 2w on 10 meters but am doing nearly as well as on the other bands, if the tuner watt meter can be believed.

Enjoyed working a bundle of JAs and some KL7s on both 15 and 10 meters yesterday.

72 and look for me -- I need North Dakota!
KL7IXI/7
Vancouver, WA

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account at <http://www.mailcity.com>

Date: Sat, 11 Apr 1998 09:19:29 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [8010] Not good enough, yet de AL7FS
Message-ID: <352FA620.1F106B5A@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There are a few signals (2 or 3 weak ones) on 20 meters but not enough to get on yet. So back to my recliner chair and settle in with a cup of coffee and a good Joan D. Vinge Sci Fi book.

73, Jim, AL7FS

Date: Sat, 11 Apr 1998 17:56:35 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: "EPA QRP-L" <epaqrp-l@Lehigh.EDU>
Subject: [8011] QSO Party
Message-ID: <01bd6594\$b22cfd60\$265445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

10 Meters is open, just worked John, KH6U, on CW!

Boy this is great!!!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380

Date: Sat, 11 Apr 1998 10:48:10 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [8012] Re: Everyone get the QRP Quarterly but me?
Message-ID: <Pine.LNX.3.96.980411104530.15727B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 10 Apr 1998, Monte Stark wrote:

> I got feedback from a small hand full of folks back east that have
> received their Quarterly. That was yesterday, so they should be showing

> up any time.

I haven't received my copy yet either. I think I need a refund. And while you're at it, throw in some mushrooms and pepperoni too... And...err...wait a minute. Wrong mailing list. I thought I was posting to the Pizza Home Delivery mailing list. :)

To be honest, I haven't received mine yet either, but considering this is likely to be bulk mailed, I wouldn't expect a completed delivery for the next couple of weeks. At least, that was my experience from when I was working at a local bookstore.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447  |      Chief Architect and Project Founder
=====
```

Date: Sat, 11 Apr 1998 11:39:14 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [8013] FAR Circuits...
Message-ID: <352FB8D2.5344BE85@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

is this guy slow, or is it just me? I've had an order in since the 1st for 2 Micro-20 reciever boards (i happen to have THAT issue) :))...but i havn't gotten boards yet. The check has passed the bank...is he just out of stock, or ??? Anyone deal with him/them recently? What kind of service did you get?

Date: Sat, 11 Apr 1998 12:40:19 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>
Subject: [8014] B&K 'scope (fwd)
Message-ID: <Pine.SOL.3.91.980411123759.4396B-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

000ooooppps!...goofed in my previous message about B&K 'scope...
I meant to type that the dial was off on the frequency GENERATOR not the
counter....sri...72 - Bruce(VE5RC)

----- Forwarded message -----
Date: Sat, 11 Apr 1998 09:46:33 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: B&K 'scope

I've been having a good time checking the vertical & horizontal
calibration of the B&K 'scope I purchased at the flea market in Moose
Jaw...had to find a frequency counter to check the signal generator and
sure enough the dial on the freq counter was off....so once I corrected
that I checked again and the 'scope is calibrated ok...many, many thanks
to Paul Harden for the instructions he posted about 'scopes on the QRP-L
server....I'm still looking for a manual.....it's a model 1535A, dual trace,
35 mHz...must be one out there somewhere...hi hi....I've been cruising the
web as well but no luck so far....all suggestions welcome...Happy Easter to
all!...72 - Bruce(VE5RC+VE5QRP) e-mail: rattray@gpfn.sk.ca

Date: Sat, 11 Apr 1998 10:45:02 -0800
From: "Jim (AL7FS), Nancy, Juliann & Issei" <larsennnc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [8015] AL7FS goes back to SciFi Book
Message-ID: <352FBA2E.E475A104@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well....I could copy W4ED, W0HDX, K10J, N9AG but could not get to them.
All signals are very weak and if it weren't for the low noise level
today I guess I would not hear them. It is 1845Z and I am going back to
my SciFi book and coffee.

I called CQ for a while on 14.065.5 but got no takers. I also called a
few time at 14.056.

Maybe later.

73,
Jim, AL7FS

Anchorage, Alaska.

Date: Sat, 11 Apr 1998 13:33:15 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-1@Lehigh.EDU>
Subject: [8016] Cap Question
Message-ID: <199804111928.PAA52006@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

QRP answer guys,

I wonder if anyone knows the value of the following cap ? The only markings on it are..... 1000v on one side , and 4DCD on the other. This capacitor is in the RF sensor of my SWR/WATT meter. The PL 259 connector had come loose and one leg of the cap broke off . Giving me false high SWR readings on my antenna . Any help is greatly appreciated !!!

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

Date: Sat, 11 Apr 1998 21:44:11 +0200 (EET)
From: "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>
To: qrp-1@Lehigh.EDU
Subject: [8017] 2SC1947 PA in Sierra
Message-ID: <01IVRCSIB61G99GCMT@vyh21.vyh.fi>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII
Content-transfer-encoding: 7BIT

A knowledgeable RF parts shop in Holland sold me a few 2SC1947's as a replacement for the MRF237. The MRF237 is often used as a hotter PA in e.g. a Sierra instead of the 2N3553. However the MRF237 has a pin-out that is different from the 2N3553, so leads need to be bent and close to the case, too.

The 2SC1947 has the same pin-out as the 3N3553 so can be dropped in as is. I found it performs quite well in practice. I cannot compare directly, as I don't have a MRF237, but after replacing the 2SC799 (2N3553 equivalent) in my Sierra the output went up half considerably (in milliWatts, not dB, mind u). So, prospective beeper-uppers might consider the 2SC1947 instead of the MRF237. It is no money-saving alternative, though, as it cost me about as much as an MRF237 would have. BTW: a nice additional advantage is that the emitter is connected to the case (heatsink!) instead of the collector (parasitic capacitance!).

I also ventured in replacing the output choke in my Sierra with a 1:4 transformer. This didn't do too much with the original PA (2SC799), so I replaced the PA with the aforementioned 2SC1947. I don't like to put the PCB at risk any more than necessary, so I didn't check and recheck this observation.

I didn't have FT50-43 cores so I wound the transformer on a balun core from a special offer core kit from Dan's (which I got just before he stopped selling to DX). It's a #43 material core with two holes and the size is ca. 13x11x7 mm. The transformer I settled on has only 4 turns of bifilar #28 wire through both holes. It stands on one end with the holes perpendicularly to the PCB. One has to be careful with winding this type of core as it's relatively easy to chafe the wire on the edges of the holes and have some isolation come off. On this balun type core 4 turns is about as many as it takes to get the proper impedance level of 10 ... 20 times 50 Ohm. More is not better. I checked the approximate impedance level with my AUTEK RF-1.

I now get over 4W on 40 m, 3,5 on 80 m and 2,5 on 15 m (was ca. 1W) with optimal drive setting (minimum 2nd harmonic as per SA/SA). Power readings are from KC-2 and not 'absolute' numbers.

2nd harmonic suppression depended a lot on the drive setting and at the optimal setting it was mostly between 30 and 40 dB. This is not quite enough here. Output filters of the elliptic type might do the trick with only two capacitors more, but that's for later.

So in summary: 2SC1947 is a good alternative PA and a two-hole balun core can be used instead of the FT50-43 toroid.

cheerio es 73, oh2zaz

Arjen Raateland

---... ---... ---... ---... ---... ---... ---... ---... ---...

Finnish Environment Institute, Helsinki, Finland

SAS Support

EMAIL: Arjen.Raateland@vyh.fi

tel. +358 9 4030 0457
fax +358 9 4030 0490
..-.-.-

Date: Sat, 11 Apr 1998 14:46:01 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [8018] HALP... 2-vert. dipole 1/4 wave sep. in phase
Message-ID: <199804111946.0AA14303@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang

can't find any books here to tell me what I got.... I know 90 out and the
thing should be end fire... how do I get it broadside? 180?
should I try and find a spot for 1/2 wave spacing???
joel, in the yard with rod and reel in hand...

God Bless
Joel

WA5CVM	Gentlemen don't Cry, They QSY :-)
Joel Denison	Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542	40 mtr loop up 50ft Vertical 3 elm Yagi 30mtr
Strong, Maine 04983	QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com	AK/QRP 109

Date: Sat, 11 Apr 1998 13:15:57 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: larsennc@alaska.net
Cc: qrp-l@Lehigh.EDU
Subject: [8019] Re: AL7FS goes back to SciFi Book
Message-ID: <199804112015.NAA05061@usr07.primenet.com>

Howdy,

Jim (AL7FS) wrote:

>

> I called CQ for a while on 14.065.5 but got no takers. I also called a

> few time at 14.056.

Go give 15m a shot! Worked from HI (KH6AFS) to FL (Bob - N4BP)
so far, so the RF seems to be going *somewhere*. :-)

I'm just grabbing Q's between chasing kids, cooking and
cleaning, and hunting for lost toys. Gives a whole new
meaning to the term "search and pounce". :-)

Good luck and have fun out there!

(Yeah yeah, I know - "Joe, why are you operating a contest
when you should be tallying FYBO logs?" ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

Date: Sat, 11 Apr 1998 16:58:50 -0400
From: john paul keon <jpkeon@bellsouth.net@mail.rdu.bellsouth.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [8020] MERCURY Paddles
Message-ID: <199804112059.QAA29749@mail.rdu.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I own a se of "MERCURY" paddles. I got them from Steve/N2DAN when he
first started making them for friends. I will not part with mine for
anything. There is no price on them. The price back then was over \$250
and I have heard over \$400 in the last 10 years. He named his own
price. He did not make many. There may be some copy cat ones out
there. I have papers with mine and I also have the stories from Steve
of his escape from Russia and the war and his reunion with his family
from People magazine if anyone would like to get hold of me for copies.
You are welcome to those. He was a unique man and made a very unique
paddle. Of course I was introduced to it by other members of the FOC
also. They were the ones who were getting them primarily when he made
them. I have a list of those if you would like also.
I have also been a ham over 30 years and have been primarily a CW op and
have used several keys, Vibroplex etc, and I will not use anything other
than my MERCURY when in contests etc.

JohnPaul/AB4PP/Sir Scribe of the Knightlites, QRP-1 # 1417, SOWP 4759,
(jpkeon@bellsouth.net) 72/73

Date: Sat, 11 Apr 1998 17:02:44 EDT
From: K5BDZ <K5BDZ@aol.com>
To: mitymik@hooked.net, qrp-1@Lehigh.EDU
Subject: [8021] Re: FAR Circuits...
Message-ID: <dc05bab4.352fda76@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

You've had your order in since the 1st...and today's just the 11th? I think you're a little hasty on the calendar. Post office takes 3 or 4 days to get letter to Fred, 3 or 4 days to get FAR order back to you...that's 6 to 8 days...out of 11 days ...relax ... baring catastrophe you should have your order in just a few days.

FAR circuits is extremely busy with orders and has a huge inventory...plus it is an in-home small part time business, where Fred has a "main job" elsewhere that sometimes takes him out of town a few days at a time.

Have done business with Fred at FAR for many years and he has always, without question or without fail shipped orders in a very reasonable amount of time.
Bill, K5BDZ

Date: Sat, 11 Apr 1998 17:09:27 -0400
From: john paul keon <"jpkeon@bellsouth.net"@mail.rdu.bellsouth.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [8022] MERCURY paddles
Message-ID: <199804112109.RAA00657@mail.rdu.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just read on further (as I should have) and saw the posting by N6TT and that is great that Steve's wife sold the patent. Now other hams who appreciate good cw and an awesome paddle can get one of the Mercury's. I will still send those stories to anyone who wants to read about how he excaped from Russia and finally found his family 40 years later via ham radio. It is an awe inspiring story. Steve was a wonderful man from my own experiences with him and I can truly say he was a master at what he

did with this paddle. Anyone who owns one will tell you that. Also btw for those of you who have one there is a cover available also. I don't know if they are still being made or not, will have to look up the ham who made them. I got mine in early 80's.
72 de JohnPaul/AB4PP/jpkeon@bellsouth.net
QRP-1 #1417

Date: Sat, 11 Apr 1998 17:13:18 EDT
From: K5BDZ <K5BDZ@aol.com>
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [8023] AT-11 tuner kit questions answered
Message-ID: <8e26fcda.352fdcef@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks from all of you who responded to me query. Actually LDG e-mailed me and gave me the correct answer. The question about my 100 watt AT-11 (two year old kit as it turns out...I am 2nd owner and original builder) concerned connections on the 5 pin SIL header slot on the PC board. ANSWER: The 5 pin header slot is not to be connected...connections are only to the 14 pin DIL header.

Furthermore, I talked to The Boss at LDG (the WIFE) on the telephone today. She is very charming and he is very lucky! They are sending me in today's mail more updates and newly programmed version 2.0 (or is it 2.1) microprocessor...and including a bill. WOW! Such Great Service!!!

I am highly impressed with the design, PC board layout and quality, parts quality, customer service, etc. Am building my own enclosure for special use.

Also am making one change ...am putting two germanium 1N270 diodes - matched - in SWR circuit to replace 1N914 diodes...in hopes of lowering power level sensitivity to QRP levels. Will keep all posted on that change and how it works.

THANKS LDG! We need more like you!
Bill, K5BDZ

Date: Sat, 11 Apr 1998 14:34:22 -0700
From: Vic Rosenthal <rakefet@rakefet.com>

To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [8024] Re: Mercury Rises... Again !
Message-ID: <352FE1DE.DB74DB06@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Conrad wrote:

>

> The Mercury will be available in limited-production quantities at the end of June > time-frame and will reportedly bear a US List Price of \$495.00.

A bit late for April 1, though....

Vic K2VCO

Date: Sat, 11 Apr 1998 14:50:45 -0700
From: "Gene A. Williamson" <genewill@ordata.com>
To: qrp-1@Lehigh.EDU
Cc: vgwd35a@prodigy.com, rev@efn.org, lhallin@efn.org
Subject: [8025] Wow! GREAT QRP paddle(tte)s!
Message-ID: <3.0.5.32.19980411145045.007e0360@ordata.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A short time back, one of our UK friends mentioned the "Paddlette," a tiny little brass-and-stainless-steel set of iambic paddles on a base measuring about one inch by one-and-a-half inches. (Sorry, I've lost that reference.) Magnetic bottom, or optional knee mount; comes with a sticky-sided metal plate so you can mount it firmly on your desk, yet detach instantly to take with you. Cost was \$38.50, hardly in "impulse" purchase territory -- but those G's sure do seem to know their Morse keys, so I impulsively mailed a check for one. Wow!

They are, indeed, very finely crafted -- right down to the world's tiniest hex "L-wrench," which slips into a hole drilled into the base, so it never gets lost. (!!) It's accompanied by a double-sided 8.5x11 sheet of complete instructions -- including how to use it as a straight key. (Didn't try that.)

As to "feel," let me say this: when I bought Brass Racer paddles to take on the road, I was QLF for two weeks trying to adjust to them from my favorite iambic Bencher. After four months I still don't feel at home on them. But sending with the Paddlette, right out of the box, factory-adjusted, goes **exactly** like the Benchers, and I was completely

comfortable from the git-go.

(Disclaimer: I have *nothing* to do with this company, and only know about them from that one mention on either the QRP-L or G-QRP reflector.)

You may write to or call (nothing said about e-mail):

Bob Hammond, KI7VY
Paddlette(tm) Company
PO Box 6036
Edmonds WA 98026
Vox: (425) 743-1429

73 es ZUT! (CW Forever)

In A Word,
Gene <genewill@ordata.com> <http://qth.com/inaword>

Date: Sat, 11 Apr 1998 18:09:24 -0400 (EDT)
From: Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>
To: Mighty Mik <mitymik@hooked.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [8026] RE: FAR Circuits...
Message-ID: <XFMail.980411180924.mulveyr@mulveyr.roc.servtech.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 11-Apr-98 Mighty Mik wrote:

> is this guy slow, or is it just me? I've had an order in since the 1st
> for 2 Micro-20 reciever boards (i happen to have THAT issue) :))...but
> i havn't gotten boards yet. The check has passed the bank...is he just
> out of stock, or ??? Anyone deal with him/them recently? What kind of
> service did you get?

10 days is *barely* enough time for the USPS to pass the mail back and forth, in some places, not to mention that Far may take some time to process the order, as well.

Relax. I've purchased boards there without a problem, as have many, many other people.

- Rich

--

Rich Mulvey

My return address is my last name,
followed by my first initial, @mulveyr.roc.servtech.com
<http://mulveyr.roc.servtech.com>
Amateur Radio: aa2ys@wb2wxq.#wny.ny.usa

Date: Sat, 11 Apr 1998 22:12:23 +0100
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-1@Lehigh.EDU
Subject: [8027] 15mtr fun
Message-ID: <19980411.221224.18478.2.pmk@juno.com>

Boy it sure has been a while since I had so much fun on 15. The
band seems short as I have not heard any DX yet but there
is always tomorrow.

72/73 es have fun in the contest
Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 11 Apr 1998 15:20:57 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-1@Lehigh.EDU
Subject: [8028] Books/Test equipment FS
Message-ID: <3.0.1.32.19980411152057.00685ef4@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Have the following items available:

- 1) Wavetek 142 Signal generator (sine/square/triangle/pulse),
.001Hz to 10Mhz, excellent condition, \$60.

- 2) Texscan LA-50 50-ohm pads, 0 to 10db, 1-db steps. Like new, pulled from Harris TV exciters. BNC in/out, \$12 each.
- 3) ARRL Antenna Book (17th ed.) with software, \$15.
- 4) ARRL Handbook (1986), hard cover, \$12.
- 5) ARRL Handbook (1988), hard cover, \$12.
- 6) ARRL UHF/Microwave Projects Manual (1994), \$12.
- 7) ARRL UHF/Microwave Experimenter's Manual (1990), \$12.
- 8) RSGB Microwave Newsletter Technical Collection (1980-83), \$10.
- 9) UHF Compendium by DJ9HO (1982), \$12.
- 10) Proceedings of Microwave Update '87, \$8.
- 11) Proceedings of Microwave Update '88, \$9.
- 12) Proceedings of the 21st Central States VHF Society Conference (1987), \$8.

Books are well-used but in good condition. Prices include shipping (book rate) CONUS. Buyers selected capriciously if more than one individual is interested ;-)

Thanks, 72/73

Jack Parker, W7PW
QRP-L #1310; 10GHz VUCC #3 (QRPP); 50MHz WAS (QRP); SMIRK #3335; ARRL Life Member DM-09

Immediate past-president: Astronomical Society of Nevada; Member:
Astronomical Society of the Pacific

"...the time is fast approaching when freedom, public peace, and social order itself will not be able to exist without education."

Alexis de Tocqueville--Democracy in America (1834)

End of QRP-L Digest 1057
